

December 1978

NOT ON PROGRAM

Region: I

1. Name: Caterpillar Tractor Location: Joliet I.D.#: 197809AAC
2. Pollutant: Particulate matter
3. Actual Emissions: 41.6 T/Y
4. Allowed Emissions: 20.2 T/Y
5. Excess Emissions: 21.4 T/Y
6. Area: Attainment Non Attainment
7. Narrative:

Non-complying particulate emissions - Rule 203(g)(1)(A) from 2 coal fired boilers. Construction permits were granted for an FGD (flue gas desulfurization) systems to control SO₂ and particulate emissions from coal fired boilers #2 and #3. The FGD systems in series with existing multiclones were designed to control particulate and SO₂ emissions within the allowable emissions of Illinois Regulations, even with the standard of 0.1 pound per million BTU because of failure to demonstrate compliance with 0.2 pound per million BTU on April 14, 1972. Stack tests, submitted to the Agency during March 1976, demonstrated compliance with SO₂ but not with particulate emissions. An operating permit was denied until compliance could be achieved with particulate emission levels of Rule 203(g)(1)(A). A baghouse is now under consideration followed by and SO₂ absorber using the existing chemical plant to process scrubber solution and process sludge.

During a conference at Caterpillar on October 27, 1978, methods to improve scrubber efficiency were presented by USEPA Technical Staff. There has been no progress made to improve scrubber efficiency and Caterpillar plans to go ahead with a pilot scale baghouse. Enforcement action is pending until further regulations are adopted as a result of Ashland Chemical Company case.

to

AIR ENFORCEMENT BRANCH
COMPLIANCE SECTION

PRELIMINARY CHECKLIST

Compliance Specialist:

Pat Reape

Date:

11-20-78

attn: Engineer:

Richard Neuhaus

A. Source Identification

1. Name:

Caterpillar Tractor

2. Address:

Caterpillar Drive - Mc Donough Street
Joliet, Illinois

3. Attainment/Non-attainment area -

Non-attainment

4. Compliance Status:

8 - no applicable reqs

B. Status of Local and State Enforcement Process

1. Verified compliance status

a. Name

b. Date

2. Pending legal action/remarks

C. Emissions Data

1. §114 data on file Yes/No date:

yes

2. State permit data on file Yes/No:

D. Request for State Permit Data

1. Name:

2. Date of request:

Date promised:

E. Request for §114 Data.
(see attachment)

Date sent:

F. Request for Certification of §114 Data
(see attachment)

Date sent: